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(54) Use of cyclophilin as an anti-inflammatory and immunomodulatory agent.

(57) Use of cyclophilin in mammals as an anti-inflammatory and immunomodulatory agent, for example, to treat chronic inflammatory diseases and autoimmune diseases and to prevent rejection of tissue grafts and organ and bone marrow transplants. Pharmaceutical formulations containing cyclophilin for administration nasally, buccally, topically or by injection.

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PARTIAL EUROPEAN SEARCH REPORT
which under Rule 45 of the European Patent Convention
shall be considered, for the purposes of subsequent
proceedings, as the European search report

Application number

EP 89 10 1164

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	US-A-4 722 999 (HANDSCHUMACHER) * Claim, column 5, lines 45-55; column 7, line 28 - column 8, line 13 *	1-4	A 61 K 37/02 C 07 K 15/06
A	EUR. J. IMMUNOL., vol. 17, 1987, pages 1359-1365, VCH Verlags- gesellschaft mbH, Weinheim, DE V.F.J. QUESNIAUX et al.: "Cyclo- philin binds to the region of cyclo- sporine involved in its immuno- suppressive activity" * Abstract, page 1364 "concluding remarks" *	1-4	
A	FED. PROC., vol. 45, no. 3, 1986, page 712, abstract 3236 M.W. HARDING et al.: "Characteri- zation of cyclophilin antibodies from rabbits and patients with immune disorders" * Whole abstract *	1-4	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			A 61 K
INCOMPLETE SEARCH			
<p>The Search Division considers that the present European patent application does not comply with the provisions of the European Patent Convention to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of some of the claims.</p> <p>Claims searched completely:</p> <p>Claims searched incompletely: 1</p> <p>Claims not searched:</p> <p>Reason for the limitation of the search:</p> <p>Claim 1 was considered to be drafted in the acceptable way: Use of a compound for the preparation of medicament..., see 6R 01/83, Official Journal EPO 3-1985, pages 64-66, and EPC Art. 52(4)</p>			
Place of search THE HAGUE		Date of completion of the search 18-10-1990	Examiner ISERT
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

EPO Form 1506.1 (02/82)



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid,
namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

X LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions.

namely:

1. Claims 1-4: Use of cyclophilin and pharmaceutical formulations therefor
2. Claims 5,6: A cyclosporin binding protein

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid,
namely claims:
- ☒ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.

namely claims:

1-4

